



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 14, 2005

Effective Date: June 14, 2005

Expiration Date: December 31, 2006

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 06-05069F

Federal Tax Id - Plant Code: 23-1315454-1

Plan Approval Description

This plan approval is issued for the construction and modification of various sources used in the manufacturing of lead/acid storage batteries. The specific actions approved by this approval are found in Section C, Condition #016.

Owner Information

Name: EAST PENN MANUFACTURING COMPANY, INC.

Mailing Address: DEKA RD  
PO BOX 147  
LYON STATION, PA 19536

Plant Information

Plant: EAST PENN MFG CO INC/BATTERY ASSEMBLY

Location: 06 Berks County

06953 Richmond Township

SIC Code: 3691 Manufacturing - Storage Batteries

Responsible Official

Name: TROY GREISS

Title: DIR, ENV HEALTH & SAFETY

Phone: (610) 682 - 6361

Plan Approval Contact Person

Name: ERIC G PEFTEL

Title: ENV H&S ENGINEER

Phone: (610) 682 - 6361

[Signature] \_\_\_\_\_

LEIF ERICSON, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



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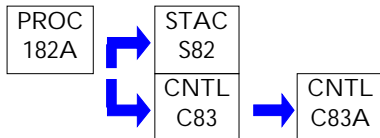
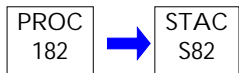
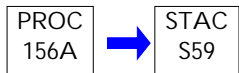
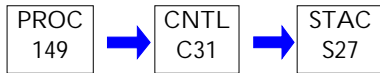
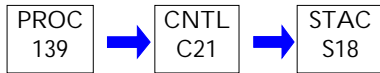
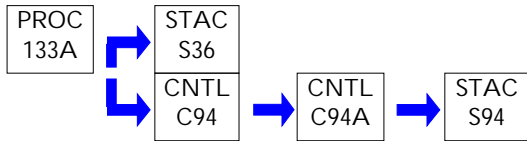
## SECTION A. Plan Approval Inventory List

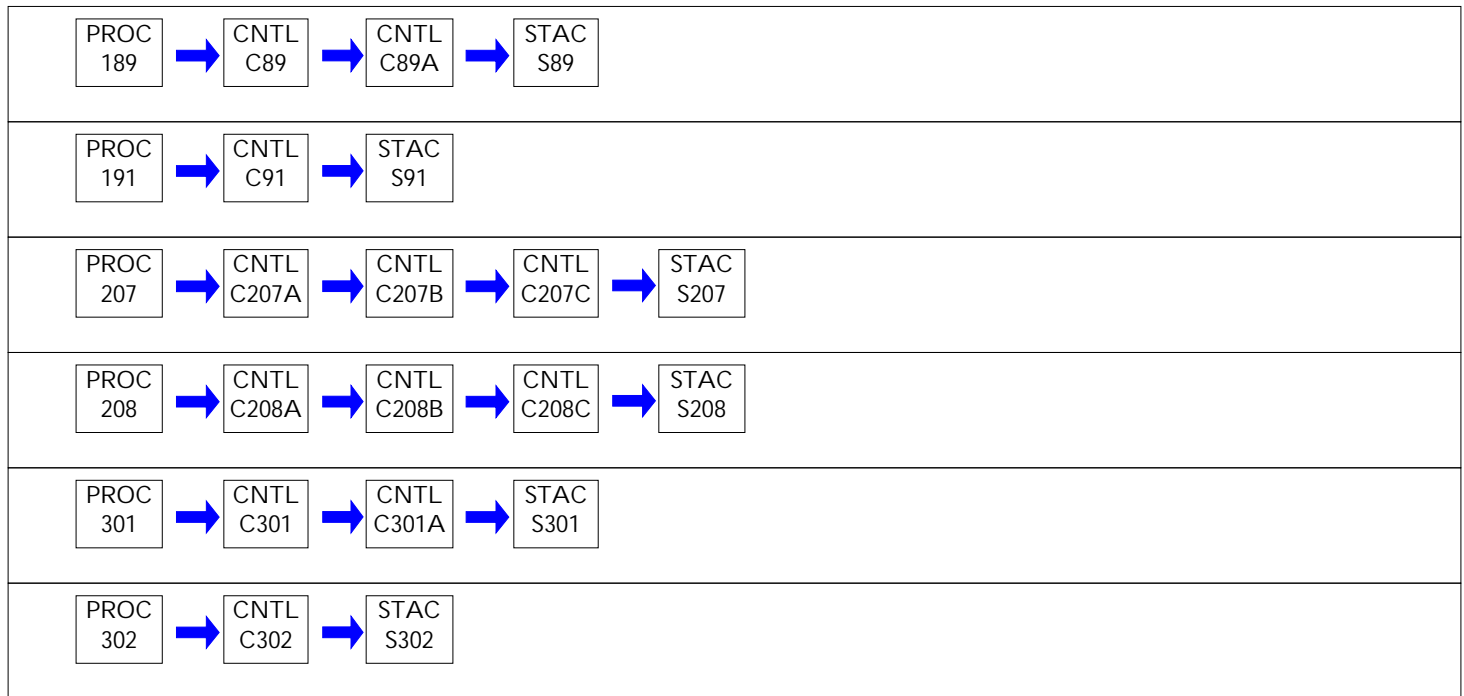
Source ID	Source Name	Capacity/Throughput	Fuel/Material
118	A-1 FORMATION ROOM		
133A	A-2 CONCASTER		
139	A-2 BATTERY FORMATION		
149	IND FORMING ROOM		
150	IND BATTERY BOOST		
156A	A-3 CONCASTING		
182	S-1 GRID CASTING		
182A	S-1 CONCASTER		
186	S-1 BATTERY ACTIVATION/BOOSTING		
187	S- 1 BATT PLATE FORMATION		
188	S-1 UNIGY & GEL BATTERY ASSEMBLY		
189	S1- GROUP ASSEMBLY OPERATIONS		
191	A-3- BATTERY FORMATION		
207	LEAD OXIDE MILL #19		
208	LEAD OXIDE MILL #20		
301	S-1A BATT ASSEMBLY		
302	S-1A FORMATION		
C207A	CYCLONE: LEAD OXIDE MILL #19		
C207B	FABRIC COLLECTOR: LEAD OXIDE MILL #19		
C207C	HEPA: OXIDE MILL #19		
C208A	CYCLONE: LEAD OXIDE MILL #20		
C208B	FABRIC COLLECTOR: OXIDE MILL #20		
C208C	HEPA: OXIDE MILL #20		
C21	SCRUBBERS: A-2 BATTERY FORMATION		
C301	FABRIC COLLECTOR: S-1A BATT ASSEMBLY		
C301A	HEPA: S-1A BATT ASSEMBLY		
C302	MIST ELIMS (7): S-1A FORMATION		
C31	MIST ELIMS (7): IND BOOST (DUALL)		
C33	MIST ELIMS (4): IND BATT BOOST (DUALL)		
C56	MIST ELIM: A-1 FORMATION NORTH		
C57	MIST ELIM: A-1 FORMATION SOUTH		
C65	MIST ELIM: A-1 FORMATION (DUALL #3)		
C83	FABRIC COLLECTOR: S-1 GROUP ASSEMB		
C83A	HEPA: S-1 GROUP ASSEMBLY/CONCAST (SCIENCE)		
C84	ROTOCLONE: S-1 MIX/PASTING (AAF)		
C86	MIST ELIMS (3): S-1 BATTERY ACTIVATION		
C87	MIST ELIMS (12): S-1 PLATE FORMATION		
C88	FABRIC COLLECTOR: S-1 UNIGY/GEL ASSEMBLY (S)		
C88A	HEPA: S-1 BATT ASSEMBLY (SCIENCE)		
C89	FABRIC COLLECTOR: S-1 ASSEMBLY/PASTING (SCE		
C89A	HEPA: S-1 ASSEMBLY/PASTING (SCIEN)		
C91	MIST ELIMS (11): A-3 FORMATION		
C94	FABRIC COLLECTOR: A-2 GA #2 (SCIENTIFIC FC #6)		
C94A	HEPA: A-2 GR ASSEM #2/CONCAST (SCIEN #6)		
S18	STACK: A-2 BATTERY FORMATION		
S207	STACK: OXIDE MILL #19		
S208	STACK: OXIDE MILL #20		
S27	STACKS (7): IND FORMATION		

## SECTION A. Plan Approval Inventory List

S29	STACKS (4): IND- BATTERY BOOST	
S301	STACK: S-1A BATT ASSEMBLY	
S302	STACK: S-1A FORMATION	
S36	STACKS(6): A-2 GRID CASTING	
S59	STACKS (10): A-3 GRID CASTING	
S82	STACK: GRID CASTING - S-1	
S87	STACKS(6): S-1 FORMATION	
S88	STACK: S-1 UNIGY/GEL ASSBLY	
S89	STACK: S-1 ASSEMBLY/PASTING (SCEIN)	
S91	STACKS (11): A-3 FORMATION	
S94	STACK: A-2 GA #2 (FC #6)	

### PERMIT MAPS





**SECTION B. General Plan Approval Requirements**

#001 [25 Pa. Code § 121.1]

**Definitions**

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]

**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]

**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee should provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension should be submitted, in writing, to the Department at least 15 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 120 days.

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this plan approval may be in excess of the limitations specified in, or established pursuant to this plan approval or the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with 25 Pa. Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

#004 [25 Pa. Code § 127.12(a) (10)]

**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) &amp; 35 P.S. § 4013.2]

**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not

## SECTION B. General Plan Approval Requirements

emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.13]

### Plan Approval Extensions

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension should be postmarked at least thirty (30) days prior to the expiration date. The Department will not issue an extension after the plan approval expires. The request for an extension should include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted.

#007 [25 Pa. Code § 127.32]

### Transfer of Plan Approvals

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(4) & 35 P.S. § 4008 & § 114 of the CAA]

### Inspection and Entry

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.



**SECTION B. General Plan Approval Requirements**

#009 [25 Pa. Code 127.13a]

**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 &amp; 127.216]

**Circumvention**

- (a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]

**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(9) &amp; 40 CFR Part 68]

**Risk Management**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
  - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:
    - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR §



## SECTION B. General Plan Approval Requirements

68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.



## SECTION C. Site Level Plan Approval Requirements

### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.1]

##### Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- d. Clearing of land.
- e. Stockpiling of materials.

Sources and classes of sources other than those identified in paragraphs (a) - (e), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) The emissions are of minor significance with respect to causing air pollution; and
- (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

# 002 [25 Pa. Code §123.2]

##### Fugitive particulate matter

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

# 003 [25 Pa. Code §123.31]

##### Limitations

No person shall emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

### II. TESTING REQUIREMENTS.

# 004 [25 Pa. Code §123.43]

##### Measuring techniques

Visible emissions may be measured by using either of the following:

1. A device approved by the Department and maintained to provide accurate opacity measurements.
2. Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

# 005 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

The Department reserves the right to require exhaust stack testing of any source as necessary during the permit term to verify

**SECTION C. Site Level Plan Approval Requirements**

emissions for purposes including emission fees, malfunctions or permit condition violations.

# 006 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

At least 60 days prior to the test, the permittee shall submit to the Department for approval, the procedures for the testing and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

# 007 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

At least 30 days prior to the testing, the Regional Air Quality Program Manager or a representative shall be informed of the date and time of the testing.

# 008 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within 60 days after the source testing, three copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager or a representative for approval.

# 009 [25 Pa. Code §139.1]  
[Sampling facilities.](#)

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**III. MONITORING REQUIREMENTS.**

# 010 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall conduct a weekly inspection of the sources covered by this approval during the daylight hours when the facility is in production to detect visible emissions, fugitive emissions and malodors as follows:

1. Visible emissions in excess of the limits specifically stated in this permit in Section D and Section E. Visible emissions may be measured according to the methods specified in Condition #004, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and make arrangements for a certified observer to read the visible emissions.
2. Presence of visible fugitive emissions and fugitive particulate matter beyond the plant property boundaries, as stated in Condition #002, Section C.
3. Presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Condition #003, Section C.

**SECTION C. Site Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.**

# 011 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.

The permittee shall record the results of the weekly inspections around the facility on the Department approved check sheets. The check sheets shall be made available to the Department upon request. The sheets shall be maintained in an acceptable manner.

**V. REPORTING REQUIREMENTS.**

# 012 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.

The permittee shall notify the Reading District Office of the initial startup of each new source and the completion of each modification.

# 013 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 PA Code Chapters 122 and 40 CFR Part 60 Sections 60.19]

a. The permittee shall report each malfunction to the Department that occurs with these sources. For purposes of this condition, a malfunction is any sudden, infrequent and not reasonably preventable failure of the air pollution control equipment, process equipment, or process to operate in a normal or usual manner that may result in an increase in air emissions above minor significance.

b. When malfunctions pose an imminent danger to public health and safety or harm to the environment, the notification shall be submitted to the Department no later than two (2) hours after the incident is detected by the permittee.

1. The notice shall describe the:

- i. Name and location of the facility;
- ii. Nature and cause of the malfunction or breakdown;
- iii. Time when the malfunction or breakdown was first observed;
- iv. Expected duration of excess emissions; and
- v. Estimated rate of emissions.

2. The permittee shall notify the Department immediately when corrective measures have been accomplished.

3. Subsequent to the malfunction, the permittee shall submit a full report of the malfunction to the Department within fifteen (15) days, if requested.

c. Malfunctions shall be reported to the Department at the following address:

PA DEP, Reading District Office  
Air Quality Program  
1001 Cross Roads Blvd  
Reading, Pa 19605

Telephone reports can be made to the Air Quality Program at 610-916-0100 during normal business hours or to the Department's Emergency Hotline 888-975-9690 at any time.

**SECTION C. Site Level Plan Approval Requirements****VI. WORK PRACTICE REQUIREMENTS.**

# 014 [25 Pa. Code §123.1]

**Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. These actions shall include, but not be limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
3. Paving and maintenance of roadways.
4. Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water or other means.

**VII. ADDITIONAL REQUIREMENTS.**

# 015 [25 Pa. Code §123.42]

**Exceptions**

The limitations of opacity do not apply to a visible emission in any of the following instances:

1. When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
2. When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
3. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

# 016 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

This plan approval is issued for the following actions by the permittee:

- a. The construction of two lead oxide mills [Mills #19 (207) & #20 (208)] in the oxide plant at the facility. Each mill will be equipped with a cyclone, fabric collector and HEPA filter to control the emissions of particulate and lead.
- b. The construction of two new grid casters and associated lead pots (182) to replace two existing casters and pots in the assembly plant S-1. Each lead pot will be heated by a one million BTU natural gas burner.
- c. The relocation of the existing Concaster #1 and associated lead pot from assembly plant A-3 to A-2. The lead pot is heated by a one million BTU natural gas burner. The lead pot shall be controlled by an existing fabric collector (C94) and associated HEPA filter (C94A).
- d. The relocation of various battery assembly equipment (301) from assembly plant S-1 to S-1 Annex. The equipment will be controlled by an existing fabric collector (C301) and HEPA filter (C301A).
- e. The removal of the sulfur dioxide limit on the formation operations throughout the facility. Sources include plant A-2 (139), A-3 (191), Industrial (149 & 150), S-1 (187) and S-1 annex (302).
- f. Relocation of existing assembly equipment from other plants and the construction of new assembly equipment in assembly plant S-1 (Sources 188 and 189). This equipment will be controlled by either of two existing fabric collectors (C88 and C89) and HEPA filters (C88A and C89A).

**SECTION C. Site Level Plan Approval Requirements**

- g. The removal of the existing HEPA filter (C84A) from the rotoclone (C84) at the assembly plant S-1.
- h. The changing of the control device for the existing assembly plant S-1 concaster lead pot (182) from the S-1 rotoclone (C84) to the existing fabric collector (C83) and HEPA filter (C83A) at plant S-1.

# 017 [25 Pa. Code §129.14]

**Open burning operations**

No person shall conduct open burning of materials in such a manner that:

- a. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- b. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- c. The emissions interfere with the reasonable enjoyment of life and property.
- d. The emissions cause damage to vegetation or property.
- e. The emissions are or may be deleterious to human or animal health.

These limits do not apply where the open burning operations result from the following:

- a. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- b. Any fire set for the propose of instructing personnel in fire fighting as approved by the Department, provided the permittee has notified the Department of the date, time and place of the training.
- c. A fire set for the prevention and control of disease or pests, when approved by the Department.
- d. A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- e. A fire set solely for recreational or ceremonial purposes.
- f. A fire set solely for cooking food.

This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

**VIII. COMPLIANCE CERTIFICATION.**

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.



## SECTION D. Source Level Plan Approval Requirements

Source ID: 118

Source Name: A-1 FORMATION ROOM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).



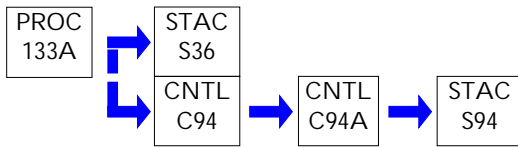
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 133A

Source Name: A-2 CONCASTER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG04

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the lead pot burner in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emissions from the concaster's associated lead pot to the following:

- a. Particulate/PM-10 - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the emissions of volatile organic compounds (VOC) from the caster's wheel to 0.02 grains per dry standard cubic foot.

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the concaster with no visible emissions.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and

**SECTION D. Source Level Plan Approval Requirements**

visible emissions from the concaster's lead pot and visible and VOC emissions from the concaster's wheel.

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

The permittee shall use the Department approved Alcoa Field Test Method 1470-94/Alcoa Laboratory Analysis Method 1471-94 to determine VOC emissions from the concaster wheel operations.

The permittee shall use appropriate EPA reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of other permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record once per week, the pressure differential across the fabric collector and HEPA filter controlling the exhaust from the concaster's lead pot, when they are operating.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector and HEPA filter can be measured.

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion source in a manner consistent with good combustion practices.

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion source in a manner consistent with good combustion practices.

**SECTION D. Source Level Plan Approval Requirements**

# 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

**VII. ADDITIONAL REQUIREMENTS.**

# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Applicability and designation of affected facility.

The concaster's lead pot is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 139

Source Name: A-2 BATTERY FORMATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

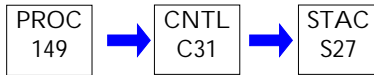
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 149

Source Name: IND FORMING ROOM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

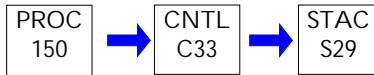
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 150

Source Name: IND BATTERY BOOST

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

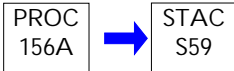
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 156A

Source Name: A-3 CONCASTING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG04

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

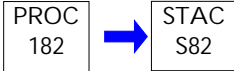
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 182

Source Name: S-1 GRID CASTING

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the lead pot burners in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authorization for this condition is derived from 40 CFR Part 60. Section 60.372]

The permittee shall limit the emissions from grid casters and lead pots to the following:

- a. Particulate/PM-10 - 0.002 grains per dry standard cubic foot
- b. lead - 0.000175 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the grid casters and lead pot with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuel used by the grid casters and grid caster lead pots to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the grid casters and lead pots.





## SECTION D. Source Level Plan Approval Requirements

# 006 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

The permittee shall use appropriate EPA Reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of other permitted pollutants.

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

### VI. WORK PRACTICE REQUIREMENTS.

# 007 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.

The permittee shall operate the combustion sources in a manner consistent with good combustion practices.

### VII. ADDITIONAL REQUIREMENTS.

# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]  
Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants  
Applicability and designation of affected facility.

The grid casters and grid caster lead pots are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

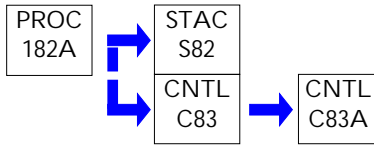
## SECTION D. Source Level Plan Approval Requirements

Source ID: 182A

Source Name: S-1 CONCASTER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG04



### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.21]

##### General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the lead pot burner in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

The permittee shall limit the emissions of volatile organic compounds (VOC) from the concaster wheel to 0.02 grains per dry standard cubic foot.

# 003 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the concaster and lead pot with no visible emissions.

# 004 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emissions from the concaster lead pots to the following:

- Particulate/PM-10 - 0.001 grains per dry standard cubic foot
- Lead - 0.000175 grains per dry standard cubic foot

#### Fuel Restriction(s).

# 005 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

The permittee shall limit the fuel used by the concaster and concaster lead pot to natural gas or a propane-air mix.

**SECTION D. Source Level Plan Approval Requirements****II. TESTING REQUIREMENTS.**

# 006 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the lead pot.

# 007 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

Prior to the issuance of an Operating Permit, and no longer than 180 days after the start-up, the permittee shall perform a stack test on the concaster wheel covered by this plan approval in accordance with the provisions of Chapter 139 to show compliance. The stack test shall be for visible emissions.

The stack test shall be preformed while the aforementioned source is operating at the maximum rated capacity as stated on the application. If the maximum rate cannot be achieved, the source shall be operated at it maximum normal operation. The permittee shall request approval to operate in this manner

# 008 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall use the Department approved Alcoa Field Test Method 1470-94/Alcoa Laboratory Analysis Method 1471-94 to determine VOC emissions from concaster wheel operation.

The permittee shall use appropriate EPA Reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of other permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 009 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across the fabric collector and HEPA filter once per week while the source is in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements****VI. WORK PRACTICE REQUIREMENTS.**

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collectors and equipment.
- b. Proper removal of the collected material.

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 011 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the combustion sources in a manner consistent with good combustion practices.

# 012 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

**VII. ADDITIONAL REQUIREMENTS.**

# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)[Applicability and designation of affected facility.](#)

The concaster lead pot is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029



## SECTION D. Source Level Plan Approval Requirements

Source ID: 186

Source Name: S-1 BATTERY ACTIVATION/BOOSTING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

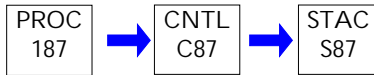
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 187

Source Name: S- 1 BATT PLATE FORMATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

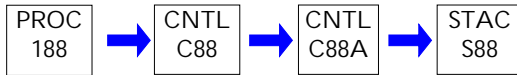
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 188

Source Name: S-1 UNIGY &amp; GEL BATTERY ASSEMBLY

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG03

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

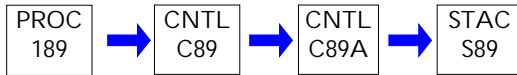
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 189

Source Name: S1- GROUP ASSEMBLY OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG03

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).



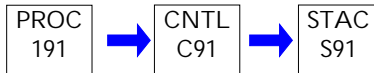
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 191

Source Name: A-3- BATTERY FORMATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 207

Source Name: LEAD OXIDE MILL #19

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 208

Source Name: LEAD OXIDE MILL #20

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

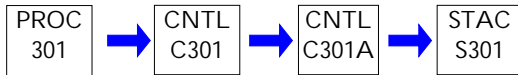
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 301

Source Name: S-1A BATT ASSEMBLY

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emissions from the assembly operations to the following:

- a. Particulate/PM-10 - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the sources with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuel used by the assembly operations to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the assembly operations.

**SECTION D. Source Level Plan Approval Requirements**

# 006 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

The permittee shall use the appropriate EPA Reference test methods as specified in 40 CFR Part 60, Standards of Performance for Stationary Sources or alternative test methods as approved by the Department to determine emissions of permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall weekly read and record the pressure drop across the fabric collector and HEPA filter, while the sources are in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 009 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

# 010 [25 Pa. Code §127.12b]  
[Plan approval terms and conditions.](#)

The permittee shall operate any combustion source in a manner consistent with good combustion practices.

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.**

# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Applicability and designation of affected facility.

The assembly operation is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

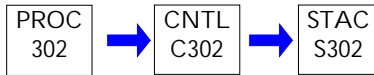
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 302

Source Name: S-1A FORMATION

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG01

Group Description: Lead Oxide Mills

Sources included in this group:

ID	Name
207	LEAD OXIDE MILL #19
208	LEAD OXIDE MILL #20

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emissions from each mill to the following:

- a. Particulate/PM-10 - 0.01 grains per dry standard cubic foot
- b. Lead - 0.010 pounds per tons of lead feed
- c. Lead - 0.06 tons during any consecutive 12-month period

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the mills with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuel used by the mills to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the mills.

# 006 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**



**SECTION E. Source Group Plan Approval Restrictions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

The permittee shall use the appropriate EPA Reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall read and record the pressure differential across each fabric collector and HEPA filter once per day.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall operate the combustion units in a manner consistent with good combustion control.

# 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

# 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

**VII. ADDITIONAL REQUIREMENTS.**

# 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The lead oxide mills are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division



SECTION E. Source Group Plan Approval Restrictions.

US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG02

Group Description: Formation Operations

Sources included in this group:

ID	Name
118	A-1 FORMATION ROOM
139	A-2 BATTERY FORMATION
149	IND FORMING ROOM
150	IND BATTERY BOOST
186	S-1 BATTERY ACTIVATION/BOOSTING
187	S- 1 BATT PLATE FORMATION
191	A-3- BATTERY FORMATION
302	S-1A FORMATION

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall limit the emissions for all sources to 0.001 grains of sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) per dry standard cubic foot based on EPA Method 8 (40 CFR Part 60).

# 002 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the sources with no visible emissions.

**II. TESTING REQUIREMENTS.**

# 003 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall use the appropriate EPA Reference test methods as found in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure drop across the control device once per week.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each mist eliminator can be measured.

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly visible inspections of the control devices and associated equipment. This inspection shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall exhaust the formation operations through Department approved mist eliminators only.

**VII. ADDITIONAL REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The conditions in this approval supercedes the conditions found in the following plan approvals and operating permits as they relate to the formation operations and control devices constructed, modified and/or operated under the following:

Plan Approvals:

- a. 06-1069I - A-3 Formation
- b. 06-1069J - A-2 & A-3 Formation
- c. 06-1069K - S-1 annex Formation
- d. 06-5069A - Industrial Formation
- e. 06-5069B - A-2 Formation
- f. 06-5069E - A-2 Formation

Operating Permit: 06-1069

- a. A-1 Formation Room (118)
- b. A-2 Battery Formation (139)
- c. A-3 Battery Formation (191)
- d. Industrial Formation (149)
- e. Industrial Battery Boost (150)
- f. S-1 Battery Activation/Boosting (186)
- g. S-1 Battery Plate Formation (187)

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG03

Group Description: S-1 Battery Assembly

Sources included in this group:

ID	Name
188	S-1 UNIGY & GEL BATTERY ASSEMBLY
189	S1- GROUP ASSEMBLY OPERATIONS

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.373]

The permittee shall limit the emissions from each source to the following:

- a. Particulate/PM-10 - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate each source with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuel used by the sources to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the sources, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the each control system outlet.

# 006 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

**SECTION E. Source Group Plan Approval Restrictions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

The permittee shall use the appropriate EPA Reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across each fabric collector and HEPA filter once per week while the sources are operating.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspection shall include at a minimum the following:

- a. Visible inspection of the collectors and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion sources in a manner consistent with good combustion practices.

**VII. ADDITIONAL REQUIREMENTS.**

# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)  
[Applicability and designation of affected facility.](#)

The battery assembly operations are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

**SECTION E. Source Group Plan Approval Restrictions.**

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG04

Group Description: Concasters

Sources included in this group:

ID	Name
133A	A-2 CONCASTER
156A	A-3 CONCASTING
182A	S-1 CONCASTER

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall limit the emissions of volatile organic compounds (VOC) from the facilities concasters to 9.01 tons during any consecutive 12-month periods.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.**

# 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall record the emissions of VOC from each concaster.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).





## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.



## SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



\*\*\*\*\* End of Report \*\*\*\*\*